

## Polarographic Wave of Palladium ( II )-Histidine Complex

Wang Chunming\*, Fu Xiaotai, Wang Zeyi, Li Hulin

(Department of Chemistry, Lanzhou University, Lanzhou 730000)

**Abstract** The polarographic wave of Pd( II )-histidine complex is studied in Britton-Robinson buffer(pH=9.2) solution. The electrode reaction mechanism of the complex is also investigated. The determined composition of the complex of Pd;histidine is 1 : 2 and the stability constant of the complex is  $3.47 \times 10^{19}$ . This method can be used to determine 0.02 $\mu$ g/ml Pd at a minimum concentration limitation. The linear range of the determination of palladium is 0.02~0.7 $\mu$ g/ml.

**Keywords** Palladium, Histidine, Polarographic wave of complex.

(Received March 3, 1993; Revised May 12, 1993)

## “中国化学会第四届动力学分析法学术会议”简讯

10月29日至11月2日在厦门大学举行“中国化学会第四届动力学分析法学术会议”。出席这次会议的代表共72人,分别来自全国18个省、市、自治区的36个单位。

大会报告共有5篇,分组交流的论文共有62篇。报告和交流的论文内容丰富,范围广泛,除催化动力学法、酶催化动力学法、速差分析法外,还包括光动力学、电动力学、导数动力学以及化学计量学、卷积法和流动注射技术在动力学分析法中的应用等内容。这次会议表明我国动力学分析法的研究已日益深入,研究领域逐渐拓宽,研究水平也有明显提高,展示了动力学分析法广阔的发展前景。

(厦门大学化学系报道)